

Naming Chemical Compounds Acids, Bases, and Pure Ionic Salts			NAME: _____	P. _____
	Acids	Bases	Salts	
Binary	Hydrogen + Nonmetal		Metal cation + Nonmetal	
No Oxygen	hydro _____ ic		full name ide ending	
Regular Polyatomic "OXY" →	Hydrogen + Nonmetal Polyatomic Ion (usually containing Oxygen)	Metal + Hydroxide OH^-	Metal + Negative Polyatomic Ion (usually containing Oxygen)	
	H_3PO_4 Phosphoric Acid		PO_4^{3-} Phosphate	
	H_2SO_4 Sulfuric Acid		SO_4^{2-} Sulfate	
	H_2CO_3 Carbonic Acid		CO_3^{2-} Carbonate	
	H_2CrO_4 Chromic Acid	Ammonia	CrO_4^{2-} Chromate	
	HNO_3 Nitric Acid	$\text{NH}_3(\text{g})$	NO_3^- Nitrate	
	HClO_3 Chloric Acid	Ammonium	ClO_3^- Chlorate	
	CH_3COOH OR HCH_3COO Acetic Acid (aka ethanoic Acid)	NH_4^+	CH_3COO^- Acetate (or ethanoate)	
Irregular Polyatomic	per _____ ic	ONE extra oxygen	per _____ ate	
"O" not normal	_____ ous	ONE LESS oxygen	_____ ite	
	hypo _____ ous	TWO LESS oxygen	hypo _____ ite	
Properties				

M
r
s
a
n
f
o
r
d